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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small> | Attorney Docket No.                      | 13144US01                                       |
|  | First Inventor or Application Identifier | Arthur J. Carlson.                              |
|  | Title                                    | PRBS GENERATOR SELECTION IN MODEM COMMUNICATION |
|  | Express Mail Label No.                   | EL849006076US                                   |

|   |  |
|---|--|
| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b><br>Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231 |
|---|--|

1. ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 16]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
4. ☒ Oath or Declaration [Total Pages 4]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b)

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449  
☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
13. ☐ \*Small Entity Statement(s) (PTO/SB09-12)  
☐ Statement filed in prior application, Status still proper and desired
14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☐ Other: \_\_\_\_\_

**\*NOTE FOR ITEMS 1 & 13:** IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:
- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_/\_\_\_\_
- Prior application information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**

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|                   |                         |                  |                |
|-------------------|-------------------------|------------------|----------------|
| Name (Print/type) | Christopher C. Winslade | Registration No. | 36,308         |
| Signature         |                         | (Attorney/Agent) | Date           |
|                   |                         |                  | August 6, 2001 |

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| <b>FEE TRANSMITTAL<br/>for FY 2001</b><br><br>Patent Fees are subject to annual revision. |             | <b>Complete if Known</b> |                   |
|   |             | Application Number       | unassigned        |
|   |             | Filing Date              | August 6, 2001    |
|   |             | First Named Inventor     | Arthur J. Carlson |
|   |             | Examiner Name            | unassigned        |
|   |             | Group Art Unit           | unassigned        |
| TOTAL AMOUNT OF PAYMENT   | (\$ 808.00) | Attorney Docket No.      | 13144US01         |

| <b>METHOD OF PAYMENT</b>   |                       | <b>FEE CALCULATION (continued)</b>  |                       |  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
|--|-----------------------|---|-----------------------|--|-----------------------|-----------------|-----------------------|-----------------|----------|-----|-----|--------------------|--------|-------------------------------------|-----|-----|-----|-------------------|----|--|-----|-----|-----|------------------|-----|---------------------------|-----|-----|-------|--------------------|-------|--|-----|-----|------|------------------------|------|--|--|--------------|--------------|----------------|----------|---|-----|---------|-------|------------------------------|-----|--|-------|--------------------|-----|-----|-----|---|-----------------------|-----------------------|-----------------------|-----------------|-----|--|-----|-----|------------------------|-----|-----|---|----|-----------------------------------|-------|-----|-----|--|---------------------------------------|-----|-----|-----|-----|---|-----|-----|-----|-----|---|--|--|-----|-----|-----|-----|--------------------------|--|-----|-------|-----|------|---|--|-----|-----|-----|----|----------------------------------|--|-----|-------|-----|-----|------------------------------------|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|----|-----|----|-------------------------------------|--|-----|-----|-----|-----|---|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|---------------------------|--|--|--|--|--|
| 1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br><br>Deposit Account Number: 13-0017<br>Deposit Account Name: McAndrews, Held & Malloy<br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17<br><input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27  |                       | <b>3. ADDITIONAL FEES</b><br><br><table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1,840*</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>116</td> <td>390</td> <td>216</td> <td>195</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>117</td> <td>890</td> <td>217</td> <td>445</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,390</td> <td>218</td> <td>695</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>128</td> <td>1,890</td> <td>228</td> <td>945</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>141</td> <td>1,240</td> <td>241</td> <td>620</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>142</td> <td>1,240</td> <td>242</td> <td>620</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143</td> <td>440</td> <td>243</td> <td>220</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144</td> <td>600</td> <td>244</td> <td>300</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>126</td> <td>180</td> <td>126</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>146</td> <td>710</td> <td>246</td> <td>355</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>149</td> <td>710</td> <td>249</td> <td>355</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>179</td> <td>710</td> <td>279</td> <td>355</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>169</td> <td>900</td> <td>169</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="5">Other fee (specify) _____</td> <td></td> </tr> </tbody> </table> |                       | Fee Code   | Large Entity Fee (\$) | Fee Code        | Small Entity Fee (\$) | Fee Description | Fee Paid | 105 | 130 | 205                | 65     | Surcharge - late filing fee or oath |     | 127 | 50  | 227               | 25 | Surcharge - late provisional filing fee or cover sheet |     | 139 | 130 | 139              | 130 | Non-English specification |     | 147 | 2,520 | 147                | 2,520 | For filing a request for <i>ex parte</i> reexamination |     | 112 | 920* | 112                    | 920* | Requesting publication of SIR prior to Examiner action   |  | 113          | 1,840*       | 113            | 1,840*   | Requesting publication of SIR after Examiner action |     | 115     | 110   | 215                          | 55  | Extension for reply within first month |       | 116                | 390 | 216 | 195 | Extension for reply within second month |                       | 117                   | 890                   | 217             | 445 | Extension for reply within third month |     | 118 | 1,390                  | 218 | 695 | Extension for reply within fourth month |    | 128                               | 1,890 | 228 | 945 | Extension for reply within fifth month |                                       | 119 | 310 | 219 | 155 | Notice of Appeal                                  |     | 120 | 310 | 220 | 155   | Filing a brief in support of an appeal |  | 121 | 270 | 221 | 135 | Request for oral hearing |  | 138 | 1,510 | 138 | 1510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive - unavoidable |  | 141 | 1,240 | 241 | 620 | Petition to revive - unintentional |  | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) |  | 143 | 440 | 243 | 220 | Design issue fee |  | 144 | 600 | 244 | 300 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) |  | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR 1.129(b)) |  | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  | Other fee (specify) _____ |  |  |  |  |  |
| Fee Code   | Large Entity Fee (\$) | Fee Code  | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 105  | 130                   | 205   | 65                    | Surcharge - late filing fee or oath  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 127  | 50                    | 227   | 25                    | Surcharge - late provisional filing fee or cover sheet                     |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 139  | 130                   | 139   | 130                   | Non-English specification  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 147  | 2,520                 | 147   | 2,520                 | For filing a request for <i>ex parte</i> reexamination                     |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 112  | 920*                  | 112   | 920*                  | Requesting publication of SIR prior to Examiner action                     |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 113  | 1,840*                | 113   | 1,840*                | Requesting publication of SIR after Examiner action                        |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 115  | 110                   | 215   | 55                    | Extension for reply within first month                                     |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 116  | 390                   | 216   | 195                   | Extension for reply within second month                                    |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 117  | 890                   | 217   | 445                   | Extension for reply within third month                                     |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 118  | 1,390                 | 218   | 695                   | Extension for reply within fourth month                                    |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 128  | 1,890                 | 228   | 945                   | Extension for reply within fifth month                                     |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 119  | 310                   | 219   | 155                   | Notice of Appeal   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 120  | 310                   | 220   | 155                   | Filing a brief in support of an appeal                                     |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 121  | 270                   | 221   | 135                   | Request for oral hearing   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 138  | 1,510                 | 138   | 1510                  | Petition to institute a public use proceeding                              |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 140  | 110                   | 240   | 55                    | Petition to revive - unavoidable   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 141  | 1,240                 | 241   | 620                   | Petition to revive - unintentional   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 142  | 1,240                 | 242   | 620                   | Utility issue fee (or reissue)   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 143  | 440                   | 243   | 220                   | Design issue fee   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 144  | 600                   | 244   | 300                   | Plant issue fee  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 122  | 130                   | 122   | 130                   | Petitions to the Commissioner  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 123  | 50                    | 123   | 50                    | Processing fee under 37 CFR 1.17(q)  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 126  | 180                   | 126   | 180                   | Submission of Information Disclosure Stmt                                  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 581  | 40                    | 581   | 40                    | Recording each patent assignment per property (times number of properties) |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 146  | 710                   | 246   | 355                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 149  | 710                   | 249   | 355                   | For each additional invention to be examined (37 CFR 1.129(b))             |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 179  | 710                   | 279   | 355                   | Request for Continued Examination (RCE)                                    |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 169  | 900                   | 169   | 900                   | Request for expedited examination of a design application                  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Other fee (specify) _____  |                       |   |                       |  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| <b>FEE CALCULATION</b><br><br><b>1. BASIC FILING FEE</b><br><table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>710</td> <td>201</td> <td>355</td> <td>Utility filing Fee</td> <td>710.00</td> </tr> <tr> <td>106</td> <td>320</td> <td>206</td> <td>160</td> <td>Design filing Fee</td> <td></td> </tr> <tr> <td>107</td> <td>490</td> <td>207</td> <td>245</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>710</td> <td>208</td> <td>355</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table> <p align="right"><b>SUBTOTAL (1) (\$710.00)</b></p> |                       | Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code  | Small Entity Fee (\$) | Fee Description | Fee Paid              | 101             | 710      | 201 | 355 | Utility filing Fee | 710.00 | 106                                 | 320 | 206 | 160 | Design filing Fee |    | 107  | 490 | 207 | 245 | Plant filing fee |     | 108                       | 710 | 208 | 355   | Reissue filing fee |       | 114  | 150 | 214 | 75   | Provisional filing fee |      | <b>2. EXTRA CLAIM FEES</b><br><br><table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>21 - 20** =</td> <td>1 x</td> <td>18.00 =</td> <td>18.00</td> </tr> <tr> <td>Independent Claims 4 - 3** =</td> <td>1 x</td> <td>80.00 =</td> <td>80.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>0</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102</td> <td>80</td> <td>202</td> <td>40</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple dependent claim, if not paid</td> </tr> <tr> <td>109</td> <td>80</td> <td>209</td> <td>40</td> <td>**Reissue independent claims over original patent</td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>**Reissue claims in excess of 20 and over original patent</td> </tr> </tbody> </table> <p align="right"><b>SUBTOTAL (2) (\$98.00)</b></p> |  | Total Claims | Extra Claims | Fee from below | Fee Paid | 21 - 20** =   | 1 x | 18.00 = | 18.00 | Independent Claims 4 - 3** = | 1 x | 80.00 =                                | 80.00 | Multiple Dependent |     |     | 0   | Large Entity Fee Code                   | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | 103 | 18                                     | 203 | 9   | Claims in excess of 20 | 102 | 80  | 202                                     | 40 | Independent claims in excess of 3 | 104   | 270 | 204 | 135                                    | Multiple dependent claim, if not paid | 109 | 80  | 209 | 40  | **Reissue independent claims over original patent | 110 | 18  | 210 | 9   | **Reissue claims in excess of 20 and over original patent |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Large Entity Fee Code  | Large Entity Fee (\$) | Small Entity Fee Code   | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 101  | 710                   | 201   | 355                   | Utility filing Fee   | 710.00                |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 106  | 320                   | 206   | 160                   | Design filing Fee  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 107  | 490                   | 207   | 245                   | Plant filing fee   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 108  | 710                   | 208   | 355                   | Reissue filing fee   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 114  | 150                   | 214   | 75                    | Provisional filing fee   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Total Claims   | Extra Claims          | Fee from below  | Fee Paid              |  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 21 - 20** =  | 1 x                   | 18.00 =   | 18.00                 |  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Independent Claims 4 - 3** =   | 1 x                   | 80.00 =   | 80.00                 |  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Multiple Dependent   |                       |   | 0                     |  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Large Entity Fee Code  | Large Entity Fee (\$) | Small Entity Fee Code   | Small Entity Fee (\$) | Fee Description  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 103  | 18                    | 203   | 9                     | Claims in excess of 20   |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 102  | 80                    | 202   | 40                    | Independent claims in excess of 3  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 104  | 270                   | 204   | 135                   | Multiple dependent claim, if not paid                                      |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 109  | 80                    | 209   | 40                    | **Reissue independent claims over original patent                          |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 110  | 18                    | 210   | 9                     | **Reissue claims in excess of 20 and over original patent                  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| **or number previously paid, if greater; For Reissues, see above   |                       | *Reduced by Basic Filing Fee Paid<br><b>SUBTOTAL (3) (\$808.00)</b>   |                       |  |                       |                 |                       |                 |          |     |     |                    |        |                                     |     |     |     |                   |    |  |     |     |     |                  |     |                           |     |     |       |                    |       |  |     |     |      |                        |      |  |  |              |              |                |          |   |     |         |       |                              |     |  |       |                    |     |     |     |   |                       |                       |                       |                 |     |  |     |     |                        |     |     |   |    |                                   |       |     |     |  |                                       |     |     |     |     |   |     |     |     |     |   |  |  |     |     |     |     |                          |  |     |       |     |      |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |

|                     |                         |                                  |                |
|---------------------|-------------------------|----------------------------------|----------------|
| <b>SUBMITTED BY</b> |                         | <b>Complete (if applicable)</b>  |                |
| Name (Print/Type)   | Christopher C. Winslade | Registration No (Attorney/Agent) | 36,308         |
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|                     |                         | Date                             | August 6, 2001 |

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